

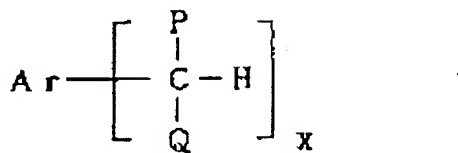
PRODUCTION OF ARYLALKYL HYDROPEROXIDE

Patent number: JP9067337
Publication date: 1997-03-11
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Classification:
 - international: C07C409/08; B01J31/20; C07C407/00; C07C409/10; C07C409/12
 - european:
Application number: JP19950222360 19950830
Priority number(s):

Abstract of JP9067337

PROBLEM TO BE SOLVED: To obtain the subject compound corresponding to the original compound in high selectivity and concentration by using an oxo metal compound as catalyst.

SOLUTION: Using (A) an oxo metal compound as catalyst, (B) an arylalkyl hydrocarbon of formula (P and Q are each H or an alkyl; (n) is 1-3; Ar is an n-valent aromatic hydrocarbon) (e.g. cumene) is oxidized with an oxygen-contg. gas into the corresponding arylalkyl hydroperoxide. The component A is a compound of formula II (M is a metal; L is a ligand; (n) is 1-8), pref. an oxyvanadium compound, oxytitanium compound or oxyzirconium compound's salt or complex, for example, titanium (II) dioxide acetylacetonate.



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